

RCVD NOV 7 '12
OIL CONS. DIV.
DIST. 3

30.045. 35431

ConocoPhillips SJB

San Juan Basin - New Mexico Central Wells

Other Named Wells

Gonzales State Com 1E

Primary Wellbore

Plan: Design #1

Standard Planning Report

08 October, 2012

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Gonzales State Com 1E
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 5812 0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	RKB @ 5812 0usft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Gonzales State Com 1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Primary Wellbore		
Design:	Design #1		

Project	San Juan Basin - New Mexico Central Wells, New Mexico, Directional "S"		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico Central 3002		Using geodetic scale factor

Site	Other Named Wells				
Site Position:		Northing:	2,023,165.86 usft	Latitude:	36° 33' 10.767 N
From:	Lat/Long	Easting:	112,158.73 usft	Longitude:	107° 34' 13.630 W
Position Uncertainty:	3.5 usft	Slot Radius:	6-1/8"	Grid Convergence:	-0.79 °

Well	Gonzales State Com 1E					
Well Position	+N/-S	0.0 usft	Northing:	2,119,165.41 usft	Latitude:	36° 48' 40.697 N
	+E/-W	0.0 usft	Easting:	-8,886.34 usft	Longitude:	107° 59' 18.015 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	5,797.0 usft

Wellbore	Primary Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2012	10/7/2012	9.84	63.44	50,574

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	321.25

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,480.0	23.20	321.25	1,448.6	180.7	-145.0	2.00	2.00	0.00	321.25	
1,965.3	23.20	321.25	1,894.6	329.8	-264.6	0.00	0.00	0.00	0.00	
2,738.6	0.00	0.00	2,647.0	450.2	-361.3	3.00	-3.00	0.00	180.00	
4,238.6	0.00	0.00	4,147.0	450.2	-361.3	0.00	0.00	0.00	0.00	Gonzales State Com
6,922.6	0.00	0.00	6,831.0	450.2	-361.3	0.00	0.00	0.00	0.00	Gonzales State Com

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Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Gonzales State Com 1E
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 5812.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	RKB @ 5812.0usft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Gonzales State Com 1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Primary Wellbore		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
15.0	0.00	0.00	15.0	0.0	0.0	0.0	0.00	0.00	0.00
Nacimiento									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
320.0	0.00	0.00	320.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	1.60	321.25	400.0	0.9	-0.7	1.1	2.00	2.00	0.00
500.0	3.60	321.25	499.9	4.4	-3.5	5.7	2.00	2.00	0.00
600.0	5.60	321.25	599.6	10.7	-8.6	13.7	2.00	2.00	0.00
700.0	7.60	321.25	698.9	19.6	-15.8	25.2	2.00	2.00	0.00
782.0	9.24	321.25	780.0	29.0	-23.3	37.2	2.00	2.00	0.00
Ojo Alamo									
800.0	9.60	321.25	797.8	31.3	-25.1	40.1	2.00	2.00	0.00
900.0	11.60	321.25	896.0	45.6	-36.6	58.5	2.00	2.00	0.00
914.3	11.89	321.25	910.0	47.9	-38.4	61.4	2.00	2.00	0.00
Kirtland									
1,000.0	13.60	321.25	993.6	62.6	-50.3	80.3	2.00	2.00	0.00
1,100.0	15.60	321.25	1,090.4	82.3	-66.0	105.5	2.00	2.00	0.00
1,200.0	17.60	321.25	1,186.2	104.6	-83.9	134.1	2.00	2.00	0.00
1,300.0	19.60	321.25	1,281.0	129.5	-103.9	166.0	2.00	2.00	0.00
1,400.0	21.60	321.25	1,374.6	156.9	-125.9	201.2	2.00	2.00	0.00
1,480.0	23.20	321.25	1,448.6	180.7	-145.0	231.7	2.00	2.00	0.00
1,500.0	23.20	321.25	1,466.9	186.8	-149.9	239.5	0.00	0.00	0.00
1,600.0	23.20	321.25	1,558.9	217.5	-174.6	278.9	0.00	0.00	0.00
1,645.9	23.20	321.25	1,601.0	231.6	-185.9	297.0	0.00	0.00	0.00
Fruitland									
1,700.0	23.20	321.25	1,650.8	248.3	-199.2	318.3	0.00	0.00	0.00
1,800.0	23.20	321.25	1,742.7	279.0	-223.9	357.7	0.00	0.00	0.00
1,900.0	23.20	321.25	1,834.6	309.7	-248.5	397.1	0.00	0.00	0.00
1,965.3	23.20	321.25	1,894.6	329.8	-264.6	422.8	0.00	0.00	0.00
2,000.0	22.16	321.25	1,926.6	340.2	-273.0	436.2	3.00	-3.00	0.00
2,031.6	21.21	321.25	1,956.0	349.3	-280.3	447.9	3.00	-3.00	0.00
Huerfano Bentonite									
2,100.0	19.16	321.25	2,020.2	367.7	-295.1	471.5	3.00	-3.00	0.00
2,200.0	16.16	321.25	2,115.5	391.4	-314.1	501.8	3.00	-3.00	0.00
2,300.0	13.16	321.25	2,212.2	411.1	-329.9	527.1	3.00	-3.00	0.00
2,303.9	13.04	321.25	2,216.0	411.8	-330.5	528.0	3.00	-3.00	0.00
Pictured Cliffs									
2,400.0	10.16	321.25	2,310.1	426.9	-342.6	547.3	3.00	-3.00	0.00
2,473.8	7.95	321.25	2,383.0	435.9	-349.8	559.0	3.00	-3.00	0.00
Lewis									
2,500.0	7.16	321.25	2,409.0	438.6	-352.0	562.4	3.00	-3.00	0.00
2,600.0	4.16	321.25	2,508.5	446.3	-358.2	572.3	3.00	-3.00	0.00
2,700.0	1.16	321.25	2,608.4	449.9	-361.1	576.9	3.00	-3.00	0.00
2,738.6	0.00	0.00	2,647.0	450.2	-361.3	577.3	3.00	-3.00	0.00
2,800.0	0.00	0.00	2,708.4	450.2	-361.3	577.3	0.00	0.00	0.00
2,900.0	0.00	0.00	2,808.4	450.2	-361.3	577.3	0.00	0.00	0.00
3,000.0	0.00	0.00	2,908.4	450.2	-361.3	577.3	0.00	0.00	0.00
3,100.0	0.00	0.00	3,008.4	450.2	-361.3	577.3	0.00	0.00	0.00
3,200.0	0.00	0.00	3,108.4	450.2	-361.3	577.3	0.00	0.00	0.00
3,300.0	0.00	0.00	3,208.4	450.2	-361.3	577.3	0.00	0.00	0.00
3,318.6	0.00	0.00	3,227.0	450.2	-361.3	577.3	0.00	0.00	0.00

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Site:	Other Named Wells	North Reference:	True
Well:	Gonzales State Com 1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Primary Wellbore		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Chacra									
3,400.0	0.00	0.00	3,308.4	450.2	-361.3	577.3	0.00	0.00	0.00
3,500.0	0.00	0.00	3,408.4	450.2	-361.3	577.3	0.00	0.00	0.00
3,600.0	0.00	0.00	3,508.4	450.2	-361.3	577.3	0.00	0.00	0.00
3,700.0	0.00	0.00	3,608.4	450.2	-361.3	577.3	0.00	0.00	0.00
3,800.0	0.00	0.00	3,708.4	450.2	-361.3	577.3	0.00	0.00	0.00
3,900.0	0.00	0.00	3,808.4	450.2	-361.3	577.3	0.00	0.00	0.00
4,000.0	0.00	0.00	3,908.4	450.2	-361.3	577.3	0.00	0.00	0.00
4,004.6	0.00	0.00	3,913.0	450.2	-361.3	577.3	0.00	0.00	0.00
Upper Cliff House									
4,006.6	0.00	0.00	3,915.0	450.2	-361.3	577.3	0.00	0.00	0.00
Massive Cliff House									
4,081.6	0.00	0.00	3,990.0	450.2	-361.3	577.3	0.00	0.00	0.00
Menefee									
4,100.0	0.00	0.00	4,008.4	450.2	-361.3	577.3	0.00	0.00	0.00
4,200.0	0.00	0.00	4,108.4	450.2	-361.3	577.3	0.00	0.00	0.00
4,238.6	0.00	0.00	4,147.0	450.2	-361.3	577.3	0.00	0.00	0.00
4,300.0	0.00	0.00	4,208.4	450.2	-361.3	577.3	0.00	0.00	0.00
4,400.0	0.00	0.00	4,308.4	450.2	-361.3	577.3	0.00	0.00	0.00
4,500.0	0.00	0.00	4,408.4	450.2	-361.3	577.3	0.00	0.00	0.00
4,589.6	0.00	0.00	4,498.0	450.2	-361.3	577.3	0.00	0.00	0.00
Pt. Lookout									
4,600.0	0.00	0.00	4,508.4	450.2	-361.3	577.3	0.00	0.00	0.00
4,700.0	0.00	0.00	4,608.4	450.2	-361.3	577.3	0.00	0.00	0.00
4,800.0	0.00	0.00	4,708.4	450.2	-361.3	577.3	0.00	0.00	0.00
4,900.0	0.00	0.00	4,808.4	450.2	-361.3	577.3	0.00	0.00	0.00
4,941.6	0.00	0.00	4,850.0	450.2	-361.3	577.3	0.00	0.00	0.00
Mancos									
5,000.0	0.00	0.00	4,908.4	450.2	-361.3	577.3	0.00	0.00	0.00
5,100.0	0.00	0.00	5,008.4	450.2	-361.3	577.3	0.00	0.00	0.00
5,200.0	0.00	0.00	5,108.4	450.2	-361.3	577.3	0.00	0.00	0.00
5,300.0	0.00	0.00	5,208.4	450.2	-361.3	577.3	0.00	0.00	0.00
5,400.0	0.00	0.00	5,308.4	450.2	-361.3	577.3	0.00	0.00	0.00
5,500.0	0.00	0.00	5,408.4	450.2	-361.3	577.3	0.00	0.00	0.00
5,600.0	0.00	0.00	5,508.4	450.2	-361.3	577.3	0.00	0.00	0.00
5,700.0	0.00	0.00	5,608.4	450.2	-361.3	577.3	0.00	0.00	0.00
5,800.0	0.00	0.00	5,708.4	450.2	-361.3	577.3	0.00	0.00	0.00
5,864.6	0.00	0.00	5,773.0	450.2	-361.3	577.3	0.00	0.00	0.00
Upper Gallup									
5,900.0	0.00	0.00	5,808.4	450.2	-361.3	577.3	0.00	0.00	0.00
6,000.0	0.00	0.00	5,908.4	450.2	-361.3	577.3	0.00	0.00	0.00
6,100.0	0.00	0.00	6,008.4	450.2	-361.3	577.3	0.00	0.00	0.00
6,200.0	0.00	0.00	6,108.4	450.2	-361.3	577.3	0.00	0.00	0.00
6,300.0	0.00	0.00	6,208.4	450.2	-361.3	577.3	0.00	0.00	0.00
6,400.0	0.00	0.00	6,308.4	450.2	-361.3	577.3	0.00	0.00	0.00
6,500.0	0.00	0.00	6,408.4	450.2	-361.3	577.3	0.00	0.00	0.00
6,600.0	0.00	0.00	6,508.4	450.2	-361.3	577.3	0.00	0.00	0.00
6,605.6	0.00	0.00	6,514.0	450.2	-361.3	577.3	0.00	0.00	0.00
Greenhorn									
6,656.6	0.00	0.00	6,565.0	450.2	-361.3	577.3	0.00	0.00	0.00
Graneros									
6,700.0	0.00	0.00	6,608.4	450.2	-361.3	577.3	0.00	0.00	0.00
6,714.6	0.00	0.00	6,623.0	450.2	-361.3	577.3	0.00	0.00	0.00

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Planning Report

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Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 5812 0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	RKB @ 5812 0usft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Gonzales State Com 1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Primary Wellbore		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Two Wells									
6,789.6	0.00	0.00	6,698.0	450.2	-361.3	577.3	0.00	0.00	0.00
Paguate									
6,800.0	0.00	0.00	6,708.4	450.2	-361.3	577.3	0.00	0.00	0.00
6,826.6	0.00	0.00	6,735.0	450.2	-361.3	577.3	0.00	0.00	0.00
Cubero									
6,882.6	0.00	0.00	6,791.0	450.2	-361.3	577.3	0.00	0.00	0.00
Encinal									
6,900.0	0.00	0.00	6,808.4	450.2	-361.3	577.3	0.00	0.00	0.00
6,922.6	0.00	0.00	6,831.0	450.2	-361.3	577.3	0.00	0.00	0.00
TD									

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Gonzales State Come 1I	0.00	0.00	6,831.0	450.2	-361.3	2,119,622.24	-9,239.47	36° 48' 45.149 N	107° 59' 22.458 W
- plan hits target center									
- Point									
Gonzales State Com 1E	0.00	0.00	4,147.0	450.2	-361.3	2,119,622.24	-9,239.47	36° 48' 45.149 N	107° 59' 22.458 W
- plan hits target center									
- Point									

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Site:	Other Named Wells	North Reference:	True
Well:	Gonzales State Com 1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Primary Wellbore		
Design:	Design #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,645.9	1,601.0	Fruitland				
4,006.6	3,915.0	Massive Cliff House				
2,031.6	1,956.0	Huerfanito Bentonite				
4,589.6	4,498.0	Pt. Lookout				
6,656.6	6,565.0	Graneros				
5,864.6	5,773.0	Upper Gallup				
6,789.6	6,698.0	Paguate				
4,004.6	3,913.0	Upper Cliff House				
4,941.6	4,850.0	Mancos				
782.0	780.0	Ojo Alamo				
914.3	910.0	Kirtland				
15.0	15.0	Nacimiento				
3,318.6	3,227.0	Chacra				
2,303.9	2,216.0	Pictured Cliffs				
4,081.6	3,990.0	Menefee				
6,714.6	6,623.0	Two Wells				
6,826.6	6,735.0	Cubero				
6,605.6	6,514.0	Greenhorn				
6,922.6	6,831.0	TD				
6,882.6	6,791.0	Encinal				
2,473.8	2,383.0	Lewis				

REFERENCE INFORMATION

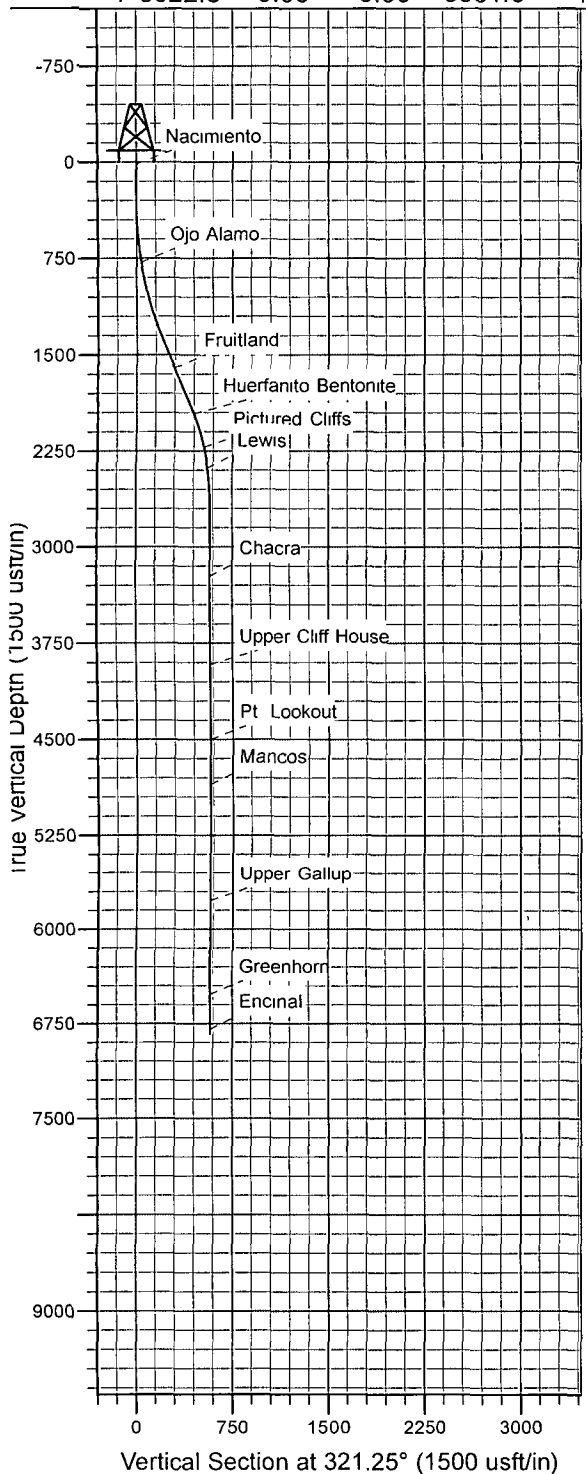
KB @ 5812.0usft (Original Well Elev)
 Ground Elevation 5797.0
 Reference Lat: 36° 48' 40.697 N
 Reference Long: 107° 59' 18.015 W

Project: San Juan Basin - New Mexico Central
 Site: Other Named Wells
 Well: Gonzales State Com 1E
 Wellbore: Primary Wellbore
 Design: Design #1



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1480.0	23.20	321.25	1448.6	180.7	-145.0	2.00	321.25	231.7	
4	1965.3	23.20	321.25	1894.6	329.8	-264.6	0.00	0.00	422.8	
5	2738.6	0.00	0.00	2647.0	450.2	-361.3	3.00	180.00	577.3	
6	4238.6	0.00	0.00	4147.0	450.2	-361.3	0.00	0.00	577.3	Gonzales State Com 1E ICP
7	6922.6	0.00	0.00	6831.0	450.2	-361.3	0.00	0.00	577.3	Gonzales State Come 1E PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
15.0	15.0	Nacimiento
780.0	782.0	Ojo Alamo
910.0	914.3	Kirtland
1601.0	1645.9	Fruitland
1956.0	2031.6	Huerfano Bentonite
2216.0	2303.9	Pictured Cliffs
2383.0	2473.8	Lewis
3227.0	3318.6	Chacra
3913.0	4004.6	Upper Cliff House
3915.0	4006.6	Massive Cliff House
3990.0	4081.6	Menefee
4498.0	4589.6	Pt. Lookout
4850.0	4941.6	Mancos
5773.0	5864.6	Upper Gallup
6514.0	6605.6	Greenhorn
6565.0	6656.6	Graneros
6623.0	6714.6	Two Wells
6698.0	6789.6	Paguate
6735.0	6826.6	Cubero
6791.0	6882.6	Encinal
6831.0	6922.6	TD

